SLOVENSKI STANDARD
SIST EN 10223-2:2013

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Nadomešča:
SIST EN 10223-2:1998
SIST EN 10223-2:1998/A1:2004

Jeklena žica in žični izdelki za ograje - 2. del: Jeklena pletena mreža s šesterokotnimi zankami za kmetijstvo, izolacije in ograje

Steel wire and wire products for fences - Part 2: Hexagonal steel wire netting for agricultural, insulation and fencing purposes

Stahldraht und Drahterzeugnisse für Zäune - Teil 2: Stahldrahtgeflecht mit sechseckigen Maschen für landwirtschaftliche Zwecke, Isolierungen und Zäune

Fils et produits tréfilés en acier pour clôtures - Partie 2: Grillage à mailles hexagonales, en acier, utilisés dans l'agriculture, pour l'isolation et les clôtures

Ta slovenski standard je istoveten z: **EN 10223-2:2012**

ICS:

77.140.65	Jeklene žice, jeklene vrvi in verige	Steel wire, wire ropes and link chains
91.090	Konstrukcije zunaj stavb	External structures

SIST EN 10223-2:2013 **en,fr,de**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 10223-2

November 2012

ICS 77.140.65

Supersedes EN 10223-2:1997

English Version

Steel wire and wire products for fencing and netting - Part 2: Hexagonal steel wire netting for agricultural, insulation and fencing purposes

Fils et produits tréfilés en acier pour clôtures et grillages - Partie 2: Grillage à mailles hexagonales en acier utilisé dans l'agriculture pour l'isolation et les clôtures

Stahldraht und Drahterzeugnisse für Zäune und Drahtgeflechte - Teil 2: Stahldrahtgeflecht mit sechseckigen Maschen für landwirtschaftliche Zwecke, Isolierungen und Zäune

This European Standard was approved by CEN on 13 October 2012.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Ref. No. EN 10223-2:2012: E

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Foreword

This document (EN 10223-2:2012) has been prepared by Technical Committee ECISS/TC 106 “Wire rod and wires”, the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by May 2013, and conflicting national standards shall be withdrawn at the latest by May 2013.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 10223-2:1997.

EN 10223 "*Steel wire and wire products for fencing and netting*" consists of the following parts:

— *Part 1: Zinc and zinc-alloy coated steel barbed wire*

— *Part 2: Hexagonal steel wire netting for agricultural, insulation and fencing purposes*

— *Part 3: Hexagonal steel wire mesh products for engineering purposes*

— *Part 4: Steel wire welded mesh fencing*

— *Part 5: Steel wire woven hinged joint and knotted mesh fencing*

— *Part 6: Steel wire chain link fencing*

— *Part 7: Steel wire welded panels for fencing*

— *Part 8*: *Welded mesh gabion products*

According to the CEN/CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

1 Scope

This European Standard specifies requirements for the dimensions and coating of steel wire netting having meshes of hexagonal shape specified for agricultural, insulation and fencing purposes.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 10021, *General technical delivery requirements for steel products*

EN 10204, *Metallic products — Types of inspection documents*

EN 10244-1, *Steel wire and wire products — Non-ferrous metallic coatings on steel wire — Part 1: General principles*

EN 10244-2:2009, *Steel wire and wire products — Non-ferrous metallic coatings on steel wire — Part 2: Zinc or zinc alloy coatings*

EN 10245-1, *Steel wire and wire products — Organic coatings on steel wire — Part 1: General rules*

EN ISO 1461, *Hot dip galvanized coatings on fabricated iron and steel articles — Specifications and test methods (ISO 1461)*

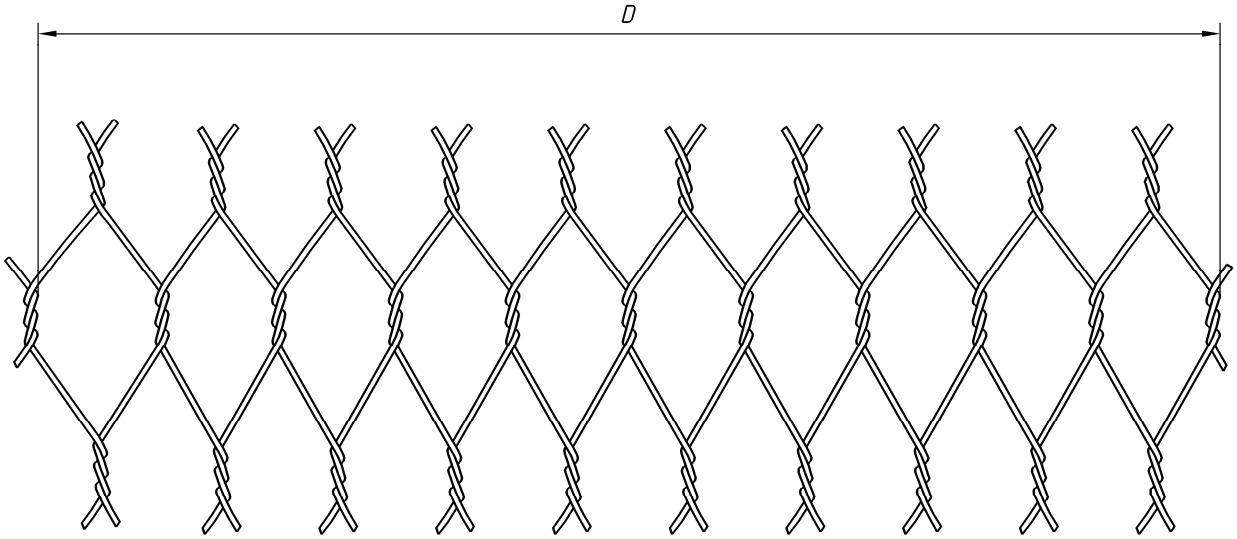
EN ISO 16120-1, *Non-alloy steel wire rod for conversion to wire — Part 1: General requirements (ISO 16120-1)*

EN ISO 16120-2, *Non-alloy steel wire rod for conversion to wire — Part 2: Specific requirements for general-purpose wire rod (ISO 16120-2)*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1
mesh size of hexagonal mesh
distance measured at right angles between two twisted sides. An average distance, *D* (see Figure 1) is measured over 10 meshes



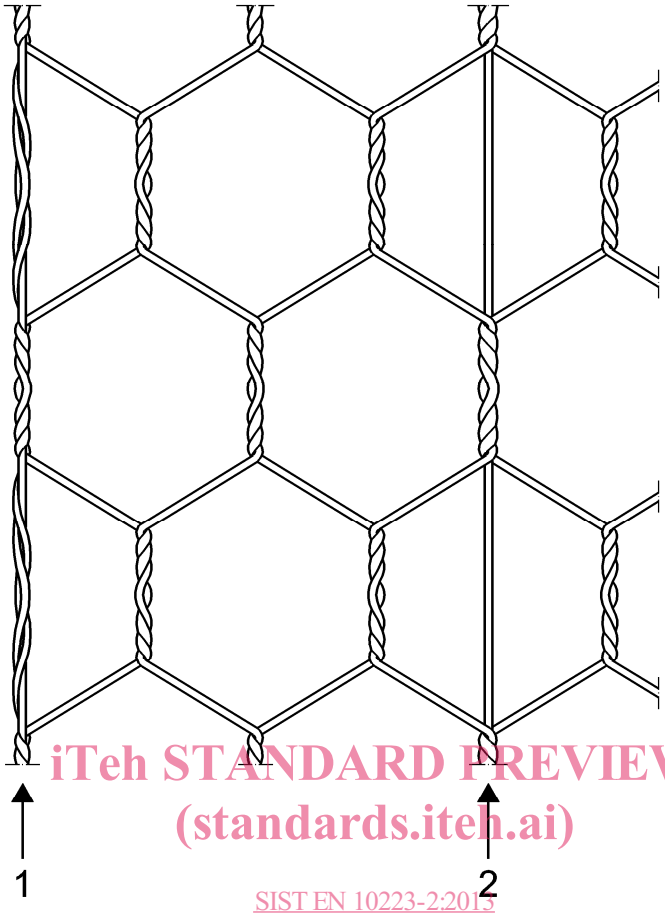
Key

D average mesh size

Figure 1 — Mesh size

3.2
hexagonal mesh
hexagonal-netting consists of hexagonal shaped meshes, formed by twisting adjacent wires two by two, alternatively forming a twist to the right and to the left

Note 1 to entry: The netting may have a border composed of one, two or more selvedge wires with a greater diameter than that used for the net. For widths above 50 cm or more stretching wires may be woven in the netting at equal distances (see Figure 2 and Table 1).



Key

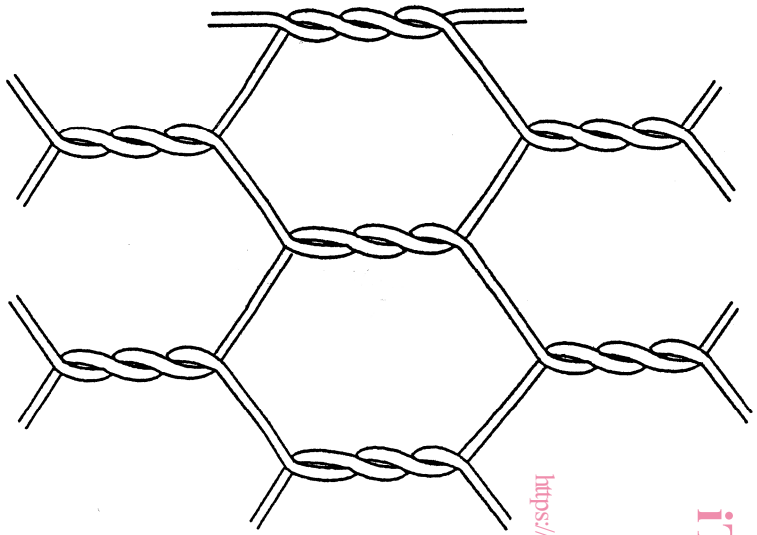
1 selvedge
2 stretching wire

Figure 2 — Selvedge and stretching wires

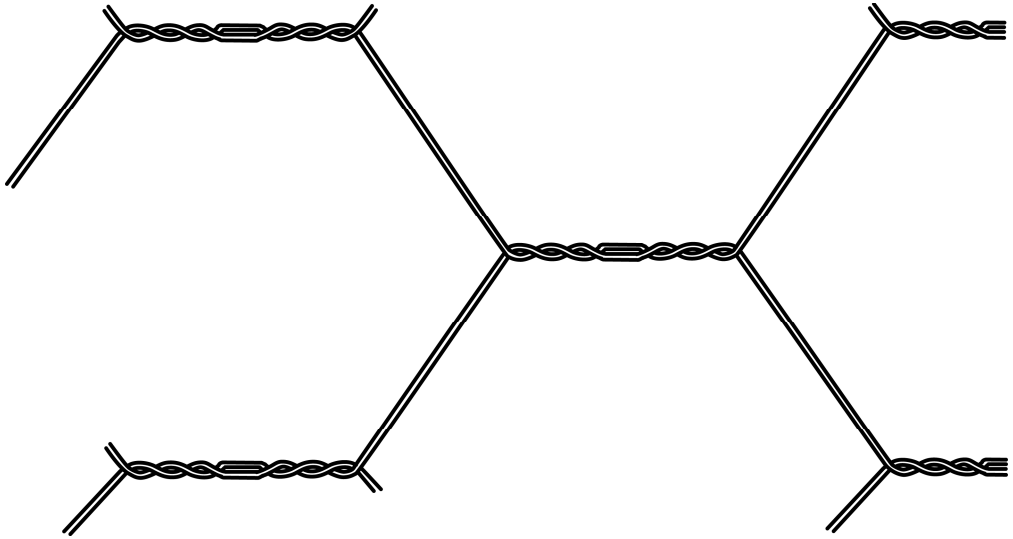
3.3
twist
tight helically winding of two wires around each other measured as each revolution of the two wires over 180°

3.3.1
regular twist
in the case of regular twist, the wires rotate only in one direction; the minimum number of twists is three (see Figure 3 a)

3.3.2
reverse twist
in the case of reverse twist the two wires are first twisted in one direction and then in the other direction. In the short transition zone the two wires are straightened parallel. The minimum number of twists is 1,5 in each direction (see Figure 3 b)



a) Regular twist



b) Reverse twist

Figure 3 — Twist